

COAST SURVEY—EXPENDITURES.

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LETTER

FROM

THE SECRETARY OF THE TREASURY,

TRANSMITTING

*The report of the disbursing agent of the Coast Survey.*

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DECEMBER 30, 1854.—Laid upon the table, and ordered to be printed.

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TREASURY DEPARTMENT.

*December 27, 1854.*

SIR: I have the honor to transmit, herewith, a report from the general disbursing agent of the Coast Survey, Samuel Hein, esq., forwarded by the Superintendent, showing the number and names of the persons employed during the last fiscal year upon the Coast Survey, and business connected therewith; the amount of compensation received by them, the nature of their employment, and the length of time during which they were employed; with a statement of all expenditures made under the direction of the Superintendent of the Coast Survey. This report has been prepared in conformity with the provisions of an act of Congress approved March 3, 1853.

I am, very respectfully,

JAMES GUTHRIE,

*Secretary of the Treasury.*

Hon. LINN BOYD,

*Speaker of the House of Representatives.*

*List showing the number and names of the persons employed in the Coast Survey during the fiscal year ending June 30, 1854, with the amount of compensation and time of employment; with a statement of all expenditures made under the direction of the Superintendent of the Coast Survey; prepared in pursuance of an act of Congress approved March 3, 1853, by Samuel Hein, general disbursing agent of the United States Coast Survey.*

[Those marked (\*) are not now employed in the Coast Survey.]

Name and office.	Amount of compensation.	Time employed.
<i>Superintendent.</i>		
A. D. Bache.....	\$6,000 00	One year.
<i>Assistants.</i>		
Edmund Blunt.....	3,500 00	One year.
F. H. Gerdes.....	2,500 00	One year.
R. D. Cutts.....	2,500 00	One year.
John Farley.....	2,000 00	One year.
C. O. Boutelle.....	2,000 00	One year.
J. E. Hilgard.....	1,800 00	One year.
H. L. Whiting.....	1,800 00	One year.
George Davidson.....	1,825 00	One and a quarter year, from April 1, 1853.
*James S. Williams.....	666 66	Five months to November 30, 1853.
J. J. S. Hassler.....	1,500 00	One year.
W. E. Greenwell.....	1,300 00	One year.
S. A. Gilbert.....	1,299 98	One year.
Chas. P. Bolles.....	1,300 00	One year.
George D. Wise.....	1,100 00	One year.
A. M. Harrison.....	1,233 33	One and a quarter year, from April 1, 1853
A. W. Longfellow.....	1,000 00	One year.
George W. Dean.....	1,000 00	One year.
<i>Telegraphing.</i>		
L. F. Pourtales.....	1,300 00	One year.
<i>Sub-assistants.</i>		
Hull Adams.....	800 00	One year.
A. F. Rodgers.....	799 97	One year.
J. Rockwell.....	999 99	One and a quarter year, to June 30, 1854.
John Seib.....	800 00	One year.
S. A. Wainwright.....	600 00	One year.
A. S. Wadsworth.....	800 00	One year.
*S. C. McCorkle.....	200 00	Four months, to October 31, 1853.
*J. W. Gregorie.....	150 00	Three months, to September 30, 1853.
W. S. Walker.....	600 00	One year.
R. M. Bache.....	750 00	One year.
George A. Fairfield.....	900 00	One year.
Edward Goodfellow.....	700 00	One year.
W. M. Johnson.....	666 66	Nine months.
J. R. Offley.....	600 00	One year.
*B. F. West.....	90 32	July and August, 1853.
B. Huger, jr.....	600 00	One year.
J. G. Oltmanns.....	300 00	Half year, from January 1 to June 30, 1854.
Henry Mitchell.....	300 00	Half year, from January 1 to June 30, 1854.

## LIST—Continued.

Name and office.	Amount of compensation.	Time employed.
<i>Artificer.</i>		
Thos. McDonnell.....	\$750 00	One year.
<i>Disbursing agent.</i>		
Samuel Hein .....	2, 500 00	One year.
<i>Clerks.</i>		
R. L. Hawkins .....	1, 000 00	One year.
*N. E. Watkins.....	90 00	Three months, to September 30, 1853.
Wm. S. McPherson .....	187 49	Five and a half months, to June 30, 1854.
F. A. Lueber.....	75 00	Five months, to November 30, 1852.
*George T. Massey.....	38 59	One month, January 31, 1854.
<i>Computers.</i>		
Theo. W. Werner.....	1, 419 00	One year.
Eugenius Nulty .....	1, 100 00	One year.
C. A. Schott.....	1, 150 00	One year.
G. Rumpf.....	841 66	One year.
James Main.....	883 33	One year.
J. T. Hoover.....	500 20	One year.
*C. M. Yulee.....	400 00	One year.
*J. E. Nulty.....	519 00	One year.
John Weissner .....	489 00	One year.
H. S. Duval.....	142 47	Four months, to December 31, 1853.
L. W. Meech.....	1, 180 51	From July 12, 1853, to June 30, 1854.
*O. G. Wagner.....	43 83	One month, November, 1853.
<i>Tide computers, temporary.</i>		
Henry Mitchell.....	257 10	Six months, to December 31, 1853.
Henry Heaton.....	489 00	One year.
P. R. Hawley.....	399 00	One year.
F. F. Nes.....	245 00	Seven months and ten days, to February 10, 1854.
C. Fendall .....	399 00	One year.
D. E. Montgomery .....	100 20	Three months, to September 30, 1853.
*F. H. Looker.....	67 20	Two months, July and August, 1853.
R. S. Avery.....	281 46	Eight and a half months, to June 30, 1854.
A. S. Clements .....	166 61	} By contract.
R. Freeman.....	300 00	
R. T. Bassett.....	4 32	
*F. H. Taylor .....	18 00	
<i>Draughtsmen.</i>		
*J. J. Lee.....	41 56	Half month, to July 15, 1853.
W. M. C. Fairfax.....	1, 600 00	One year.
M. J. McClery.....	1, 500 00	One year.
Joseph Welch.....	1, 204 00	Three hundred and one days.
J. J. Ricketts.....	795 33	Two hundred and eight and a half days.
*J. C. Tennent .....	883 33	One year.
*E. Hergusheimer .....	450 00	Nine months, to March 31, 1854.
Wm. Schulz.....	577 75	Three hundred and forty-one and a half days.
J. R. P. Mechlin.....	665 17	Three hundred and six and one-third days.
Leml. D. Williams .....	555 52	Three hundred and ten and four-sixths days.

## LIST—Continued.

Name and office.	Amount of compensation.	Time employed.
John R. Key .....	\$384 34	Two hundred and ninety-one and one-sixth days.
*E. Freyhold.....	570 16	Three hundred and fifteen days.
*Wm. B. Stewart .....	257 44	Seven months and twenty-two days, to February 22, 1854.
B. Hooe, jr.....	200 37	Three hundred and four and a half days.
*S. R. Lanchoronski.....	66 00	Sixty-six days.
Wm. T. Martin .....	246 00	One hundred and twenty-three days.
R. L. Eastman .....	17 25	Twenty-three days.
<i>Draughtsmen by contract.</i>		
*Charles Mahon .....	124 00	
A. Balback .....	35 00	
*M. C. Gritzner .....	45 00	
A. Boschke.....	170 00	
A. Strauss.....	23 04	
<i>Engravers.</i>		
*Selmar Seibert.....	2,136 01	One year.
F. Dankworth .....	1,500 00	One year.
A. Rolle.....	1,500 00	One year.
John Knight .....	1,400 00	One year.
John Young .....	634 06	Two hundred and ninety-one and one-eighth days.
George McCoy.....	274 04	Two and five twenty-sixths months.
*Wm. Smith .....	546 00	One hundred and fifty-six days.
*H. M. Knight.....	292 66	Ninety-seven and three-eighths days.
<i>Apprentices.</i>		
*F. H. Oelschlager.....	107 02	Three months and fourteen and three-quarters days.
*H. C. Evans.....	422 27	Eleven months.
J. J. Knight.....	360 00	One year.
*Jas. S. Pettit.....	265 62	Eleven months.
R. F. Bartle.....	250 00	One year.
S. W. Bradley.....	178 13	One hundred and twenty-four and one-third days.
F. W. Benner .....	57 81	Fifty-six and three-quarters days.
*C. Smith.....	75 06	Seventy-five days.
<i>Engraving by contract.</i>		
E. F. Woodward.....	597 80	
William Smith.....	536 76	
D. McClelland.....	75 00	
J. V. N. Throop.....	25 00	
Edward Yeager.....	351 69	
H. C. Evans.....	42 21	
*T. H. Oelschlager.....	2 00	
George McCoy.....	250 00	
S. E. Stull.....	17 06	
<i>Printers.</i>		
Samuel D. O'Brien.....	1,095 00	One year.
John Rutherdale .....	699 77	Three hundred and ninety-nine and one-seventh days.

## LIST—Continued.

Names and office.	Amount of compensation.	Time employed.
*C. E. E. Ould.....	\$160 00	One hundred and twenty-four days.
John Barrett .....	311 75	Three hundred and eleven and three-fourths days.
Francis Holden.....	265 25	Two hundred and forty-six days.
<i>Instrument makers.</i>		
J. Vierbuchen.....	937 80	Three hundred and twelve and six-tenths days.
*J. Clark .....	654 16	Two hundred and ninety and three-fourths days.
William Jacobi .....	596 00	Two hundred and forty-four days.
*William Hill.....	445 56	Three hundred and three and one-third days.
*N. Johnson.....	329 74	One hundred and thirty-four and three-fourths days.
<i>Apprentices.</i>		
John W. Smith.....	221 78	Two hundred and fifty-six and one-half days.
George W. Hitz.....	152 96	One year.
Peter Vierbuchen.....	91 00	One hundred and eighty-two days.
<i>Electrotyping.</i>		
George Mathiot.....	1,600 00	One year.
J. R. Cronin.....	495 00	Three hundred and thirty days.
<i>Electrotyping by contract.</i>		
F. A. Genth.....	10 00	
<i>Carpenters.</i>		
W. T. Wood.....	715 62	Three hundred and twelve and one-fourth days.
Arthur Yeatman.....	598 50	Three hundred and nine and one-fourth days.
*Mathew Cook.....	162 00	Eighty-one days.
<i>Clerks.</i>		
C. B. Snow.....	1,000 00	One year.
V. E. King.....	550 00	One year.
P. C. F. West.....	129 93	Three months and fourteen days, to May 14, 1854.
*A. F. Boggs .....	395 16	Five and three-fourths months, to December 21, 1853.
*J. L. Elliott.....	75 00	Two months, October and November, 1853.
A. W. Russell .....	474 19	Six months and twenty-four days, to June 30, 1854.
*C. R. McKean.....	31 85	Two months and seventeen days, December, January, and February.
*A. M. Ford.....	39 91	Two months and twelve days, March, April, and May, 1854.
Edward Wharton.....	110 50	One month and twenty days, May and June, 1854.
Fred. Whyte .....	818 85	
A. M. Smith.....	275 00	
H. E. Uhrlandt.....	13 90	
<i>Aids.</i>		
R. J. Breckenridge, jr.....	30 60	One month.

## LIST—Continued.

Names and office.	Amount of compensation.	Time employed.
Preston C. F. West .....	\$38 00	One month.
James Searles .....	39 31	One month.
George W. Parrish .....	270 60	Six months.
George H. Bagwell .....	468 80	Eleven months.
S. J. Hough .....	184 81	Six months.
Hugh McHenry .....	632 28	One year.
*P. B. Hooe .....	496 00	Eight months.
C. T. Iardella .....	193 20	Four months.
Stephen Harris .....	109 00	Three months.
C. B. Baker .....	98 06	Three months.
*E. F. Mason .....	38 60	One month.
R. T. Bassett .....	323 20	Seven months.
L. S. Hayden .....	293 66	Seven months.
Robert Gibson .....	264 95	Seven months.
W. W. Cooper .....	290 00	Five months.
D. E. Montgomery .....	28 20	One month.
<i>Messengers.</i>		
Daniel Flynn .....	475 00	One year.
Thomas Kenney .....	365 00	One year.
C. Kraft .....	350 00	One year.
John Mitchell .....	240 00	One year.
William B. Ingram .....	365 00	One year.
Sampson Nutter .....	300 00	One year.
W. T. Bright .....	145 00	One year.
John H. Diggs .....	170 00	Seven months.
<i>Watchman.</i>		
B. Neff .....	431 80	One year.
<i>Sappers and miners.</i>		
Company A .....	187 35	One year.

*The following persons have been employed with authority of the Secretary of the Treasury, under article I, paragraph V, of plan of reorganization of the Survey of the Coast.*

[Those marked (\*) are not now employed in the Coast Survey.]

Name.	Amount of compensation.	Time employed.
B. A. Gould, jr. ....	\$1,500 00	One year.
Benjamin Peirce .....	1,500 00	One year.
W. C. Bond .....	600 00	One year.
E. Otis Kendall .....	300 00	One year.
* Lewis R. Gibbes .....	300 00	One year.
* L. Downes .....	350 00	One year.
William Mitchell .....	150 00	One year.
* Andrew Mason .....	100 00	One year.



*Statement of Coast Survey expenditures in fiscal year 1853-'54, in order of sections of coast, and of operations in each section.*

	1853.		1854.		Fiscal year.	Total section.
	3d quarter, July, August, and September.	4th quarter, October, November, and December.	1st quarter, January, February, and March.	2d quarter, April, May, and June.		
SECTION I.						
1. Reconnoissance, triangulation, and astronomical observations.....	\$5,607 84	\$3,633 45	\$1,036 13	\$808 66	\$11,086 08	\$26,457 49
2. Topographical work.....	3,200 28	1,474 48	587 50	587 50	5,849 76	
3. Hydrography.....	5,761 48	2,492 22	440 98	826 97	9,521 65	
SECTION II.						
1. Magnetical, triangulation, and verification work.....	2,033 24	1,432 11	708 77	1,012 22	5,186 34	5,793 96
2. Hydrography.....	197 20	297 92	.....	112 50	607 62	
SECTION III.						
1. Triangulation, &c.....	2,150 84	907 87	784 13	1,034 51	4,877 35	19,361 25
2. Topographical work.....	2,324 60	2,257 60	751 06	1,466 81	6,800 07	
3. Hydrography.....	3,524 49	2,147 86	744 29	1,267 19	7,683 83	
SECTION IV.						
1. Triangulation &c.....	1,072 02	1,880 54	2,990 34	2,979 04	8,921 94	15,131 08
2. Topographical work.....	651 50	1,057 23	1,299 71	975 49	3,983 93	
3. Hydrography.....	.....	.....	707 42	1,517 79	2,225 21	
SECTIONS IV AND V.						
Off-shore and Gulf hydrography.....	.....	3,907 00	1,871 46	.....	5,778 46	5,778 46
SECTION V.						
1. Triangulation and astronomical.....	908 32	1,366 53	4,469 24	3,323 82	10,067 91	19,633 90
2. Topographical work.....	437 49	1,108 67	1,300 51	1,104 50	3,951 17	
3. Hydrography.....	846 65	458 70	2,326 10	1,983 37	5,614 82	
SECTION VIII.						
1. Triangulation and astronomical.....	887 50	2,692 91	3,652 33	5,148 61	12,381 35	25,244 29
2. Topographical work.....	500 64	1,159 89	2,071 55	1,683 32	5,415 40	
3. Hydrography.....	795 13	1,894 17	4,157 76	600 48	7,447 54	
SECTION IX.						
1. Triangulation, &c.....	1,137 36	1,905 96	2,291 37	1,623 97	6,958 66	16,801 99
2. Hydrography.....	293 90	1,729 03	7,475 00	345 40	9,843 33	
Telegraphic operations in the several stations.....						
Chronometric results.....						1,000 00
Purchase of instruments.....						2,505 31

## RECAPITULATION OF FIELD EXPENSES.

Section I.....	\$26,457 49
Section II.....	5,793 96
Section III.....	19,361 25
Section IV.....	15,131 08
Sections IV and V.....	5,778 46
Section V.....	19,633 90
Section VIII.....	25,244 29
Section IX.....	16,801 99
Telegraphic operations.....	6,259 28
Chronometric results.....	1,000 00
Purchase of instruments.....	2,505 31
	<hr/> 143,967 01

*Work of reducing, drawing, engraving, printing maps, electrotyping, &c.,  
and materials for whole survey.*

	Amount.
Rent.....	\$1,896 87
Fuel, wood, oil, candles, &c.....	1,149 30
Blank and record books, printing, binding, stationery, &c.....	1,684 33
Computations, tidal, &c.....	8,593 83
Drawing materials.....	6,385 41
Engraving and materials.....	9,947 52
Electrotyping and materials.....	2,849 33
Printing maps and materials.....	2,656 85
Instrument making, repairs, and materials.....	3,640 04
Carpentry and materials.....	1,460 33
Archives and library.....	2,151 59
Copying records, &c.....	2,212 50
Messengers, laborers, &c.....	1,947 30
Transportation of instruments, portrages, and telegraphic messages.....	791 95
Disbursing.....	1,340 00
Sappers and miners.....	187 35
Travelling expenses.....	95 95
Contingent: Repairs of furniture, stoves, cleaning out-houses, chimneys, washing towels, and all others not included above.....	3,047 87
	<hr/> 52,038 32
Field expenses.....	\$143,967 01
Office expenses.....	52,038 32
Total expenditures.....	<hr/> 196,005 33



*Expenditures for survey of the Western Coast, fiscal year 1853-'54.*

Field expenses.	Amount.	Accounts settled.
Astronomical and magnetical party .	\$33, 194 38	From April 1, 1853, to June 30, 1854.
Triangulation and topographical party	23, 683 66	From May 1, 1853, to May 31, 1854.
Topographical party.....	10, 806 71	From May 1, 1853, to May 31, 1854.
Tidal party .....	18, 032 63	From April 1, 1853, to June 30, 1854.
Hydrography—steamer Active and schooner Ewing.....	81, 595 56	From April 1, 1853, to June 30, 1854.
Purchase of instruments .....	1, 924 69	
Total field expenses .....	169, 237 63	
<i>Office expenses.</i>		
For computations and tidal.....	5, 385 63	
For drawing .....	2, 715 72	
For engraving .....	2, 382 75	
For electrotyping .....	495 00	
For printing maps.....	699 77	
For carpentry .....	598 50	
For copying records, &c.....	276 69	
For watchmen, messengers, &c....	799 50	
For disbursing .....	1, 625 00	
For rent .....	640 00	
For fuel .....	461 12	
For stationery, blanks, binding, &c.	1, 215 12	
For express transportation and all other contingencies.....	758 52	
Total office expenses .....	18, 989 50	
Total expenditures.....	188, 227 13	

*Expenditures for survey of the Florida Reefs and Keys, fiscal year 1853-'54.*

<i>Field expenses.</i>	
Triangulation work.....	\$5,381 70
Topographical work.....	9,843 62
Hydrographical work.....	6,536 09
Purchase of schooner.....	4,000 00
Total field expenses .....	25,761 41
<i>Office expenses.</i>	
Computing .....	933 33
Drawing .....	550 50
Engraving .....	1,165 62
Copying records, &c.....	400 00
Messenger.....	95 00
Disbursing.....	926 08
Rent.....	310 41
Fuel.....	289 62
Stationery, blank books, binding, transportation, and all other contingents .....	780 75
Total office expenses .....	5,451 31
Total expenditures .....	31,212 72

*The following expenditures for special surveys, &c., have been made under the direction of the Superintendent of the Coast Survey, during the fiscal year 1853-'54.*

For survey of islands on the coast of California.....	\$32,546 14
For survey of keys on the coast of Florida.....	19,286 94
For survey of James river, Virginia .....	2,837 61
For survey of Rappahannock river, Virginia.....	2,005 29
For surveys of sites for light-houses, under the law of 1852, ordered by Light-house Board.....	1,150 94
For reconstruction or repair of steamer Bibb.....	4,045 68
For repairs of coast survey vessels .....	3,041 46
For fuel and quarters, and for transportation of officers and enlisted men of the army serving on the coast survey .....	10,336 41

COAST SURVEY OFFICE, December, 1854.

SAMUEL HEIN,  
General Disbursing Agent.